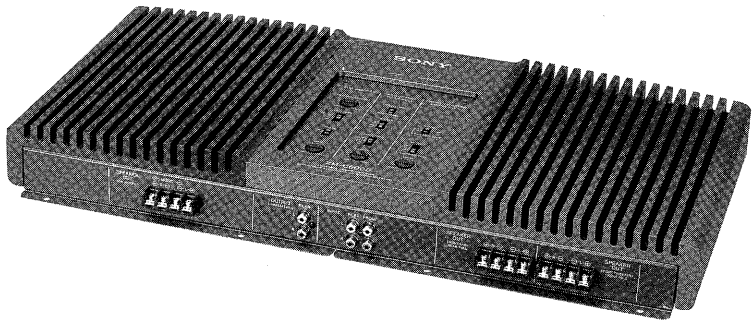
XM-C6000

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model



SPECIFICATIONS

Power supply system
Pulse power supply circuitry
Speaker impedance
2—8 ohms
Maximum power output (4 ohms)

High/Front speaker	Mid-range/ Rear speaker	Low	
		stereo	monaural
90 W × 2	90 W × 2	150 W × 2	350 W

Rated power output (4 ohms)

High/Front speaker	Mid-range/ Rear speaker	Low	
		stereo	monaural
40 W × 2	40 W × 2	70 W × 2	180 W
50 Hz – 20 kHz 0.08% THD	50 Hz – 20 kHz 0.08% THD	20 – 140 Hz 0.08 THD	20 – 140 Hz 0.5% THD

Frequency response
High/Front: 50 – 100 kHz ($\pm^{0}_{3}$ dB)
Mid range/Rear: 50 – 100 kHz ($\pm^{0}_{3}$ dB)
Low: 8 – 140 Hz ($\pm^{0}_{3}$ dB)
(Rear/Mid-range output terminals: 50 – 150 kHz)
Harmonic distortion
Less than 0.005% 4 ohms
(Rear/Mid-range output terminals: less than 0.003%)
Input level adjustment range
0.2 – 8 V
S/N ratio More than 105 dB (IHF-A, WTD)
Crossover frequency
High/Front (Hi-Pass Filter)
HPF:50 Hz*, 70 Hz*, 3.5 kHz, 5 kHz (*2-way only)
Mid-range/Rear (Hi-Pass Filter)
HPF:50 Hz, 70 Hz, 100 Hz, 140 Hz
LPF: 2.4 kHz, 3.5 kHz, 5 kHz, FLAT
Low (Low-Pass Filter)
LPF: 50 Hz, 70 Hz, 100 Hz, 140 Hz
Rear/Mid-range output terminals
HPF:50 Hz

Crossover slope 12 dB/oct
18 dB/oct (bass only)
Low boost 0 — + 10 dB (40 Hz)
Power requirements
12 V DC car battery (negative ground)
Source voltage 10.5 — 16 V
Current drain 43 A (at rated output)
53 A (at 10% THD)
Dimensions Approx. 590 × 70 × 280 mm (w/h/d)
Weight Approx. 11.4 kg
Accessories supplied
Mounting screws (8)
Protection plate (1)

Design and specifications subject to change without notice.

使用時は添付資料も参照のこと
Refer to the additional documents.

STEREO POWER AMPLIFIER

SONY®

SECTION 1
GENERAL

This section is extracted from instruction manual.

Features

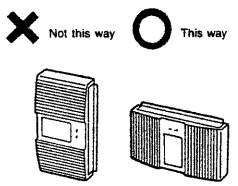
- The built-in 2/3 way switchable crossover network enables you to enjoy the multi-way speaker system with easy installation.
- Powerful output of 90 W × 4 + 150 W × 2 max. (90 W × 4 + 350 W max. with 5 channel connection).
- Low boost (40 Hz) for heavy and powerful bass sound which is usually insufficient in a car audio system.
- Built-in Bessel function filters* for creating a smooth sound link between bass and treble.
- Pulse power supply** for stable and regulated output power.

***Bessel function type filters**
Most of the currently available crossover networks use the flat response filters (Butterworth type). The group delay characteristics of these filters are considerably inferior to those of the linear phase filters (Bessel function type) used in this unit. While the conventional flat response filters are susceptible to transit distortion in the audio signals at each filter's crossover frequency, the Bessel type filters in this unit will reduce the distortion and contribute in obtaining the optimum hi-fi sound.

****Pulse power supply**
This unit has a built-in convertor which converts the power supply from the DC 12 V car battery into high speed pulse signals by the use of the semiconductor switch. These signals will be stepped up by the built-in pulse transformer and separated into both positive and negative power supplies before converted into the direct current again. This is to regulate the othewise variable voltage of the car battery. This light weight power supply system provides the highly efficient power supply with low impedance output.

Precautions

- This unit is designed for negative ground 12 V DC operation only.
- The nameplate indicating the operating voltage, etc. is located on the bottom exterior of the unit.
- Use speakers with impedance of 2 to 8 ohms.
- Avoid installing the unit where it would be subjected to:
  - —high temperatures caused by direct sunlight or hot air from the heater.
  - —rain or moisture.
  - —dust or dirt.
- When installing the unit vertically, make sure that the fins of the heat sink are vertical to the floor.

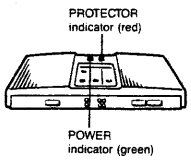


- When installing the unit horizontally, make sure that the fins are not covered by the floor carpet etc..
- If the unit is installed too close to a car radio, it may cause interference in radio reception. In such a case, place the unit away from the radio.
- If your car is parked in direct sunlight and there is a considerable rise in temperature inside the car, allow the unit to cool off before operating.
- This unit has a built-in protection circuit* to protect the transistors and speakers if the amplifier malfunctions. However do not attempt to test this protection circuit by covering the heat sink or overloading the connections.
- For the road safety reasons, keep the volume of the head unit moderate so that you will be able to hear the sound outside your car.

If you have any questions or problems concerning this unit that are not covered in this manual, please consult your nearest Sony dealer.

***Protection circuit**
This unit has a built-in protection circuit which operates in the following cases when:
- —the unit is overheated.
- —a DC current is generated.
- —the speaker terminals are short circuited.

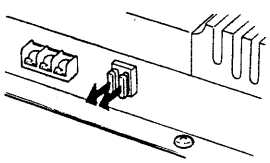
When the protection circuit is activated, the red indicator will light up and there will be an abrupt loss of the sound from the speakers. If this happens, turn off the connected equipment and take out the cassette tape or CD from deck and determine the cause of the malfunction. If the unit becomes overheated, wait until it cools down.



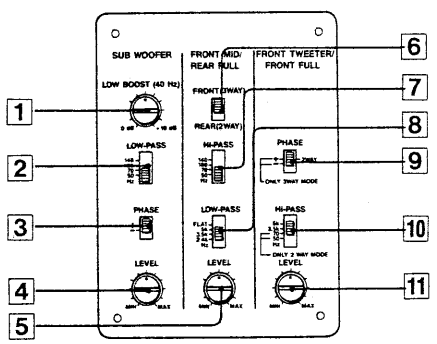
Fuse Replacement

If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.

Warning
Use the specified fuse with correct amperage. Use of a fuse with higher amperage may cause serious damage to the unit.



Location and Function of Controls



SUB WOOFER section

1 LOW BOOST (40 Hz) control
For boosting the lower audio frequencies. Frequencies around 40 Hz can be boosted to the maximum of 10dB.

2 LOW-PASS (filter selector) switch
For selecting the crossover frequency cut-off point of the low frequency output signals. Frequencies above the selected point will be cut off.

3 PHASE (phase invertor) switch
If set to the – position, the phase of the sub-woofer outputs will be inverted without changing any connection.

4 LEVEL (output) control
For adjusting the output level of the low frequency audio signals.

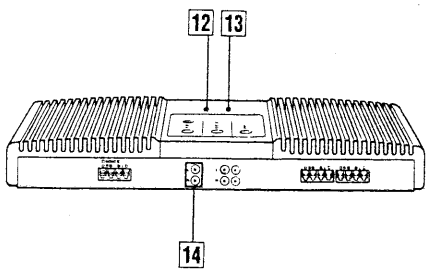
FRONT MID/REAR FULL section

5 LEVEL (output) control
For adjusting the output level of the mid-range audio signals or that of the rear speakers.

6 FRONT (3 WAY)/REAR (2 WAY) (selector) switch
For selecting the 2-way or 3-way audio signal output system.

7 HI-PASS (filter selector) switch
For selecting the crossover frequency cut-off point of the middle range or rear speakers. Frequencies below the selected point will be cut off.

8 LOW-PASS (filter selector) switch
For selecting the crossover frequency cut-off point of the mid-range speakers in the 3-way connection. Frequencies above the selected point will be cut off. In the 2-way system, set this switch to the FLAT position.



FRONT TWEETER/FRONT FULL section

9 PHASE (phase invertor) switch
If set to the – position, the phase of tweeters will be inverted without changing any connection.

Note
If used in a 2-way system, set this switch to the + position.

10 HI-PASS (filter selector) switch
For selecting the crossover frequency cut-off point of the treble or the front speakers. Frequencies below the selected point will be cut off.

Note
If used in a 3-way system, this switch to the 5k or 3.5k position. Never set it to the 50 or 70 position. If you do so, the sound will not come out in order to protect the speakers.
If used in the 2-way system, set it to the 50 or 70 position.

11 LEVEL (output) control
For adjusting the output level of the treble or the front speakers.

12 POWER indicator
Lights up in green when the power is turned on.

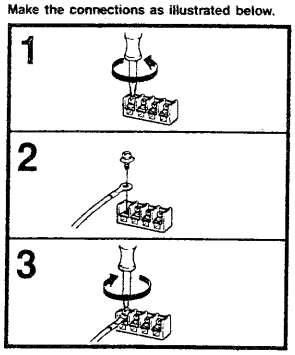
13 PROTECTOR (protection circuit) indicator
The red indicator light will come on when the protection circuit is activated. The function of the unit ceases at the same time.

14 REAR/MID-RANGE output terminals
When used in a 3-way system or if another pair of rear speakers (full-range) are desired to be connected for more mid-range sound, an extra amplifier can be connected to these terminals.

Connections

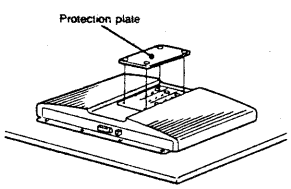
Caution
- Before making any connections, disconnect the negative ground terminal of the car battery to prevent short circuiting.
- Connect the red power lead only after all other leads have been connected.
- **Be sure to connect the ground wire of the unit securely to a metal point of the car. A loose connection may cause a malfunction of the unit.**
- If you place the power lead too close to the input or output leads, it may cause some audio noise. Try to place them away from each other.
- Due to the built-in high-power amplifier, make sure that the speakers have adequate power handling capacities. If you use the speakers with lesser capacities, such as the ones supplied to a car, they can be damaged.
- Do not connect the ⊖ terminal of the speaker system with the car chassis, and never connect the ⊖ terminal of the right speaker with that of the left speaker.
- If your car is equipped with a computer navigation system etc., do not disconnect the negative ground wire from the car battery. If you do so, the memories of the computer may be erased. In such a case, make the connections without removing the ground wire but be sure to connect the + 12 V input lead only after all the other connections are completed to avoid short circuiting.

Make the connections as illustrated below.



Installatin of the Protection Plate

When all the connections are made and all the settings of the controls and switches are completed, attach the supplied protection plate to prevent the settings of switches and controls to be accidentally changed.



Installation

Before Installation

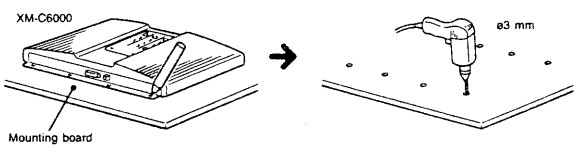
- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver and that the unit will not be exposed to direct sunlight or hot air from the heater.
- The board to which this unit is to be mounted has to be more than 15 mm thick and sound.
- Do not install the unit under the floor carpet where the heat dissipation from the unit will be impaired.

If you find it difficult to install the unit for yourself, consult the dealer.

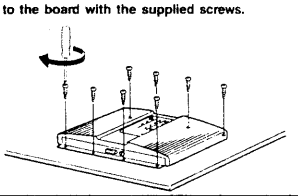
Trunk installation

Prepare a sound mounting board with enough thickness (more than 15 mm) to install the unit securely.

1 **Place the unit directly onto the mounting board and mark the eight bolt holes, then drill the holes (3 mm dia.).**



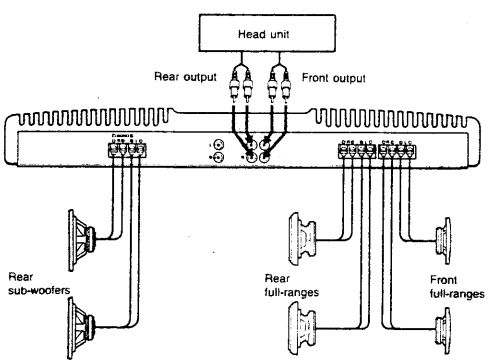
2 **Secure the unit to the board with the supplied screws.**



3 **Install the unit in the trunk room.**

Examples of System Connection

2-Way System



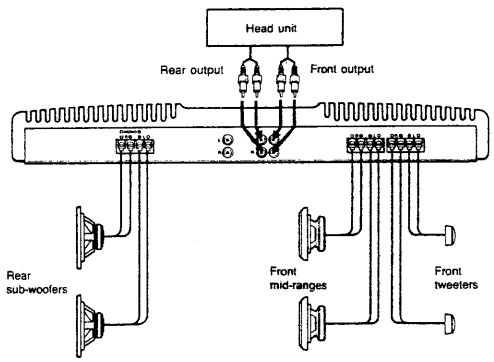
Example of the switch settings

Switch	FRONT (3 WAY)/ REAR (2 WAY)	SUB WOOFER LOW-PASS	FRONT MID/ REAR FULL HI-PASS	FRONT MID/ REAR FULL LOW-PASS	FRONT TWEETER/ FRONT FULL HI-PASS
Setting	FRONT (3 WAY) / REAR (2 WAY)	any position*	any position*	FLAT	50 or 70

* Select the position of your choice.

Notes
- The balance of the outputs between the front and rear speakers can be adjusted by the fader control of the head unit.
- The output level of the sub-woofers will not be affected by the fader control.

3-Way System



Example of the switch settings

Switch	FRONT (3 WAY)/ REAR (2 WAY)	SUB WOOFER LOW-PASS	FRONT MID/ REAR FULL HI-PASS	FRONT MID/ REAR FULL LOW-PASS	FRONT TWEETER/ FRONT FULL HI-PASS
Setting	FRONT (3 WAY) / REAR (2 WAY)	any position*	any position*	2.4k, 3.5k or 5k	3.5k or 5k

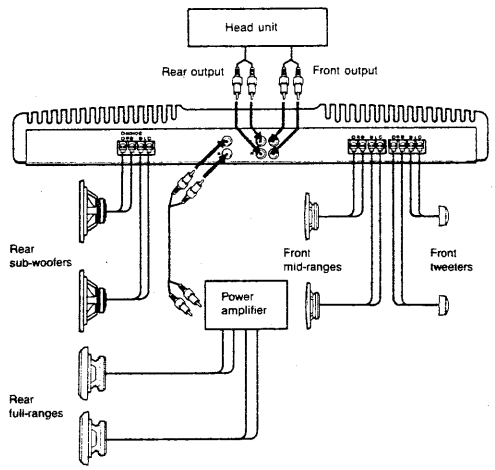
* Select the position of your choice.

Notes

- Set the fader control of the head unit to the center position. If the fader is set to the rear side, the volume of the front tweeters and front mid-ranges will be turned down.
- The output level of the sub-woofers will not be affected by the fader control.

Examples of System Connection

3-Way System with Additional Full-Range Speakers



Example of the switch settings

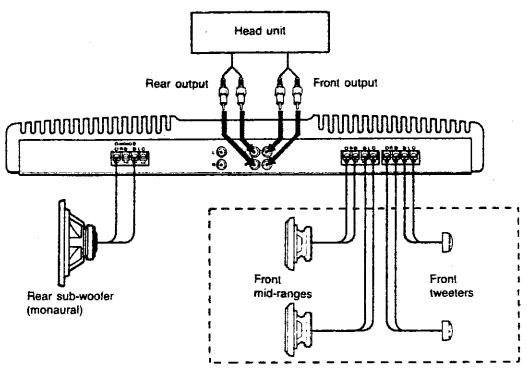
Switch	FRONT (3 WAY)/ REAR (2 WAY)	SUB WOOFER LOW-PASS	FRONT MID/ REAR FULL HI-PASS	FRONT MID/ REAR FULL LOW-PASS	FRONT TWEETER/ FRONT FULL HI-PASS
Setting	FRONT (3 WAY) / REAR (2 WAY)	any position*	any position*	2.4k or 3.5k or 5k	3.5k or 5k

* Select the position of your choice

Notes

- Set the fader control of the head unit to adjust the balance of outputs between the front speakers and the rear speakers.
- The output level of the sub-woofers will not be affected by the fader control.

Using a Sub-Woofer as a Monaural Speaker



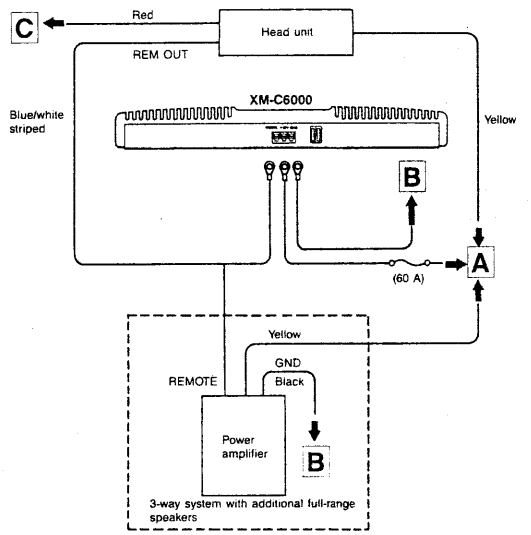
The system illustrated here is just an example.

Note

If you wish to use a sub-woofer as a monaural speaker, connect the speaker as illustrated above. the output signals of the sub-woofer will be the combination of both right and left output signals.

Examples of System Connection

Connections of the Leads



A To the positive terminal of the car battery

B To the metal part of the car

C To the accessory position of the ignition key panel which is energized at all times

Output Adjustments

When you are installing either a 2-way or 3-way system, adjust the balance of the mid-range sound first, then the high and finally the low.
Make sure that the bass sound is turned down completely while adjusting the treble and the mid-range sound. If the bass sound is present, it will be difficult to balance the overall sound. After these adjustments are completed, turn up the bass and adjust the whole balance.

2-Way System

1 Turn down the volume of the head unit completely. Then adjust the crossover frequencies to fit the connected speakers' frequency response ranges. See page 17 about the crossover frequencies.
2 Set the FRONT MID/REAR FULL LEVEL and the FRONT TWEETER/FRONT FULL LEVEL controls to the center positions and the SUB WOOFER LEVEL control to the MIN position.
3 Playback some music and turn up the volume to a moderate level with the head unit.
4 Adjust the FRONT MID/REAR FULL LEVEL and the FRONT TWEETER/FRONT FULL LEVEL controls to the optimum level. You can adjust the fader control of the head unit to get the same effect.
5 While checking the congeniality of the audio relationship between the speakers to be smooth and natural by playing back some music with a lot of bass sound, adjust the SUB WOOFER LEVEL control to balance the sound.
6 If the congeniality of sound is not smooth, readjust the LEVEL controls. If such measures do not improve the situation, turn down the volume control of the head unit completely and rearrange the settings of the filter selector switches and then readjust the LEVEL controls.
7 Repeat steps 1 to 6 until the optimum sound is achieved.

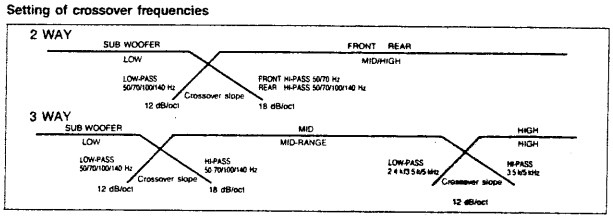
3-Way System

1 Turn down the volume of the head unit completely. Then adjust the crossover frequencies to fit the connected speakers' frequency response ranges. See page 17 about the crossover frequencies.
2 Set the FRONT MID/REAR FULL LEVEL and the FRONT TWEETER/FRONT FULL LEVEL controls to the center and the SUB WOOFER LEVEL control to the MIN position.
3 Playback some music and turn up the volume to a moderate level with the head unit.
4 Adjust the FRONT MID/REAR FULL LEVEL and the FRONT TWEETER/FRONT FULL LEVEL controls to the optimum level. If a 3-way system and a pair of full-range speakers are installed, adjust the balance of the volume of the front and rear speakers with the fader control of the head unit.
5 While checking the congeniality of the audio relationship between the speakers to be smooth and natural by playing back some music with a lot of bass sound, adjust the SUB WOOFER LEVEL control to balance the sound.
6 If the congeniality of sound is not smooth, readjust the LEVEL controls. If such measures do not improve the situation, turn down the volume control of the head unit completely and rearrange the settings of the filter selector switches and then readjust the LEVEL controls.
7 If the congeniality of sound between the speakers is difficult to achieve, change the settings of both PHASE switches.
8 Adjust the SUB WOOFER LEVEL and LOW BOOST controls according to your taste.
9 Repeat steps 1 to 8 until the optimum sound is achieved.

Crossover Frequencies

Set the crossover frequencies by changing the setting of each filter selector switch to suit the frequency response of the connected speakers. See the diagram below.

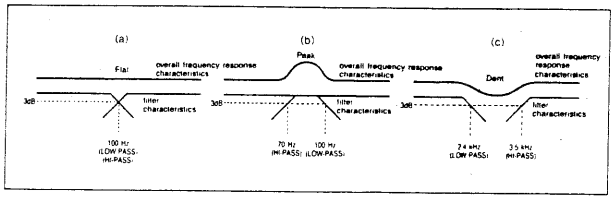
Setting of crossover frequencies



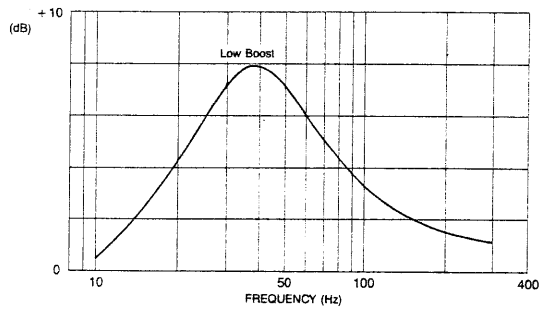
Congeniality of Audio Relationship —Setting of Filter Selector Switches

If the bass (LOW-PASS) and treble (HIGH-PASS) filter selector switches are set at the same crossover frequency points, both audio compasses will drop by 3 dB when they meet and the overall frequency response will be flat. See diagram (a). If the filter selctor switches are set to different frequencies, the overall frequency response characteristics may have uneven sections. See diagram (b) and (c).

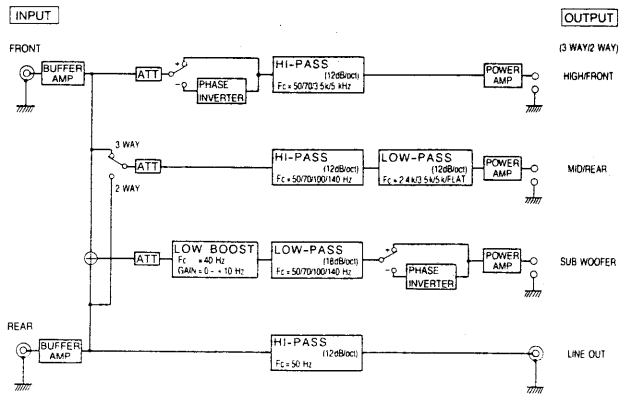
However, in some cases depending on the different types of car and the location of the speakers, these settings may implove the overall sound.



Low Boost Characteristics

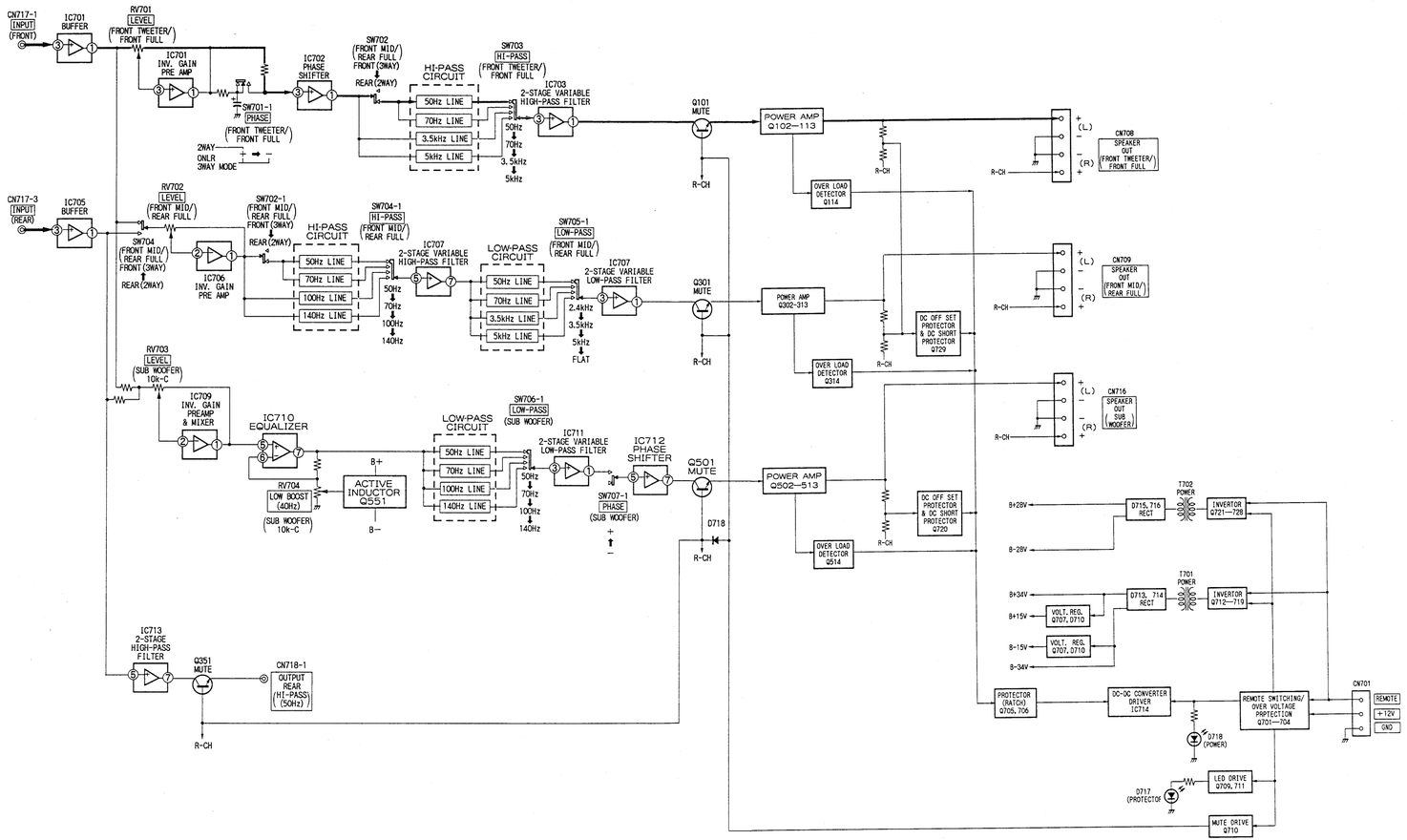


Block Diagram



SECTION 2
DIAGRAMS

2-1. BLOCK DIAGRAM



• SEMICONDUCTOR LEAD LAYOUTS

2SA988-PAFAEA
2SC1845-EA

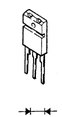
2SC1815-Y
2SC3327-A

F10P20FR

2SA1015-GR
2SC1815-GR

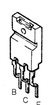
2SC3421-Y

FMG-32R

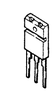


2SA1358-Y

2SC4386-Y
2SC4387-Y



FMG-32S

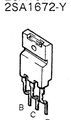


2SA1481-F
2SC2785-HFE

2SK1191

LN-233RP
LN-333GP

2SA1671-Y
2SA1672-Y

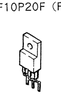


1SS176

RD3.6ES-B1
RD6.8ES-B2
RD15ES-B3
RD18ES-B2

2SB1094-L
2SD2012

F10P20F (R)



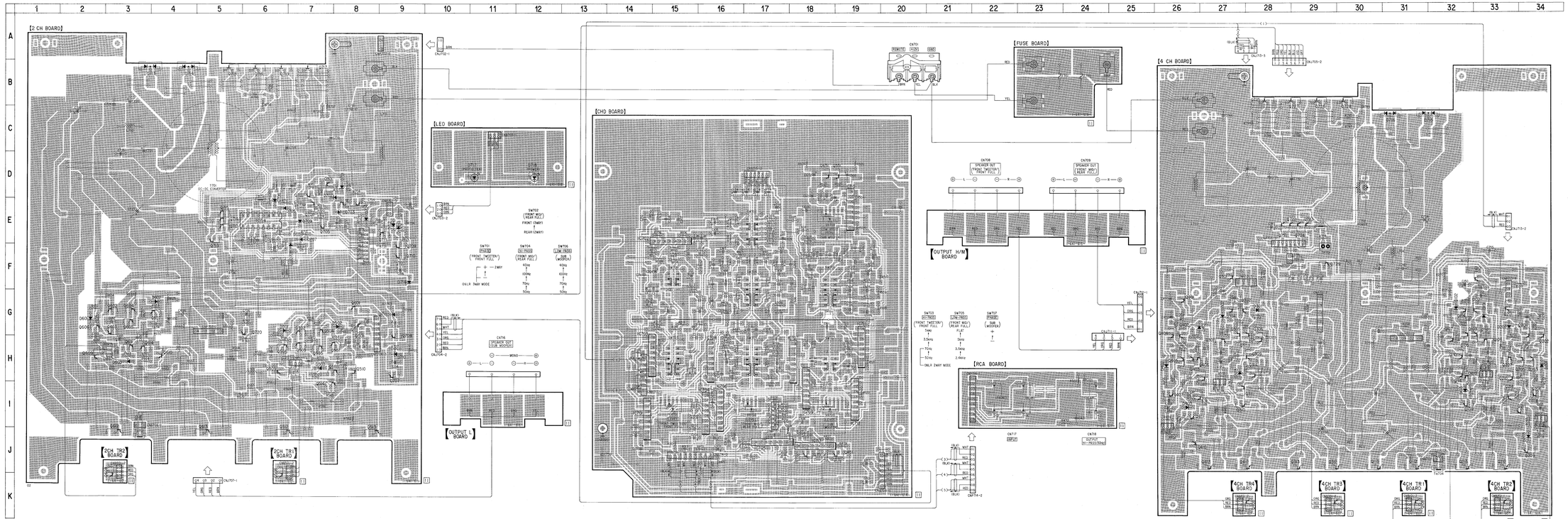
• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
IC701	I-14	Q403	H-26	Q718	B-5
IC702	E-15	Q404	G-26	Q719	B-6
IC703	H-15	Q405	H-26	Q720	G-6
IC704	E-6	Q406	H-27	Q721	E-28
IC705	J-17	Q407	I-26	Q722	E-29
IC706	I-16	Q408	K-28	Q723	E-29
IC707	H-18	Q409	H-27	Q724	E-29
IC708	H-16	Q410	J-26	Q725	B-28
IC709	I-18	Q411	I-26	Q726	B-29
IC710	E-19	Q412	J-27	Q727	B-29
IC711	I-19	Q413	J-27	Q728	B-30
IC712	I-19	Q414	I-27	Q729	F-29
IC713	I-18	Q451	J-19		
IC714	E-6	Q501	G-8		
		Q502	G-7	D101	G-33
				D102	G-32
Q101	F-33	Q503	H-7	D103	I-32
Q102	G-33	Q504	G-7	D201	H-34
Q103	H-33	Q505	H-7	D202	G-33
Q104	G-32	Q506	H-6		
Q105	H-32	Q507	H-8	D203	J-34
				D301	G-28
Q106	H-33	Q508	J-6	D302	G-27
Q107	H-32	Q509	H-6	D303	H-27
Q108	K-31	Q510	H-8	D401	G-27
Q109	I-32	Q511	H-8		
Q110	H-32	Q512	J-6	D402	H-26
				D403	I-26
Q111	H-32	Q513	J-8	D501	G-6
Q112	J-31	Q514	I-7	D502	G-8
Q113	J-30	Q551	D-19	D503	H-7
Q114	H-32	Q601	G-8		
Q201	G-33	Q602	G-3	D601	G-2
				D602	G-4
Q202	H-34	Q603	G-3	D603	H-3
Q203	H-34	Q604	G-3	D701	D-8
Q204	G-34	Q605	G-3	D702	D-8
Q205	H-34	Q606	G-2	D703	E-8
Q206	I-34	Q607	G-4		
				D704	E-8
Q207	H-33	Q608	J-3	D705	E-5
Q208	K-33	Q609	H-2	D706	E-6
Q209	J-34	Q610	H-4	D707	E-7
Q210	H-33	Q611	H-4	D708	F-7
Q211	I-34	Q612	J-3		
				D709	E-7
Q212	J-33	Q613	J-5	D710	H-9
Q213	J-32	Q614	H-3	D711	G-9
Q214	I-33	Q651	D-18	D712	E-9
Q301	F-27	Q701	D-7	D713	B-3
Q302	G-28	Q702	D-7		
				D714	B-4
Q303	H-28	Q703	E-8	D715	C-32
Q304	G-27	Q704	E-8	D716	C-31
Q305	G-27	Q705	E-7		
Q306	G-28	Q706	E-7		
Q307	H-27	Q707	H-9		
Q308	K-30	Q708	G-9	2CH BOARD	
Q309	H-28	Q709	F-9		
Q310	I-27	Q710	F-9	D717	E-9
Q311	I-27	Q711	E-9	D718	F-9
Q312	J-29	Q712	E-5	LED BOARD	
Q313	J-29	Q713	E-5		
Q314	H-28	Q714	E-5	D717	D-11
Q351	J-18	Q715	E-5	D718	D-12
Q401	G-26	Q716	B-6		
Q402	G-26	Q717	B-7		

Note :

• O—: parts extracted from the component side.
• ▒▒: Pattern on the side which is seen.

2-2. PRINTED WIRING BOARDS • Refer to page 8 for Semiconductors Lead Layouts



2-3. SCHEMATIC DIAGRAM

[CHD BOARD]
IC702 NJM4580L PHASE SHITER
IC703 NJM4580L 2-STAGE VARIABLE HIGH PASS FILTER
IC701 IC704 NJM4580L BUFFER
IC701 IC704 NJM4580L INV. GAIN PREAMP
IC705 NJM4580L BUFFER
IC706 NJM4580L INV. GAIN PREAMP
IC707 IC708 NJM4580L 2-STAGE VARIABLE HIGH-PASS FILTER
IC707 IC708 NJM4580L 2-STAGE VARIABLE LOW-PASS FILTER
IC709 IC712 NJM4580L INV. GAIN PREAMP & MIXER
IC709 IC712 NJM4580L PHASE SHIFTER
IC710 NJM4580L EQUALIZER
IC711 NJM4580L 3-STAGE VARIABLE LOW-PASS FILTER
IC713 NJM4580L 2-STAGE HIGH-PASS FILTER
CN717 INPUT
(FRONT)
(REAR)
[RCA BOARD]
CN718 OUTPUT REAR (HI-PASS) (50Hz)
[4 CH BOARD] (1/3)
[4CH TR1 BOARD]
[4CH TR2 BOARD]
[4CH TR3 BOARD]
[4CH TR4 BOARD]
[2 CH BOARD]
[2CH TR1 BOARD]
[2CH TR2 BOARD]
[OUTPUT H/M BOARD]
[OUTPUT L BOARD]
CN708 SPEAKER OUT (FRONT TWEETER/ FRON FULL)
CN709 SPEAKER OUT (FRONT MID/ REAR FULL)
CN716 SPEAKER OUT (SUB WOOFER)
[LED BOARD]
D717 LN233RP
D718 LN333GP
IC714 μPC494C DC-DC CONVERTER DRIVER
[FUSE BOARD]
CN701
REMOTE
+12V
GND

Note :

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- % : indicates tolerance.
- [nonflammable resistor symbol] : nonflammable resistor.
- B+ : B+ Line
- B– : B– Line
- Power voltage is dc 14.4V and fed with regulated dc power supply from +12V and REMOTE terminals.
- no mark : INPUT MODE SWITCH : STEREO
- ( ) : PROTECTOR ON
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : L-CH (A-CH)

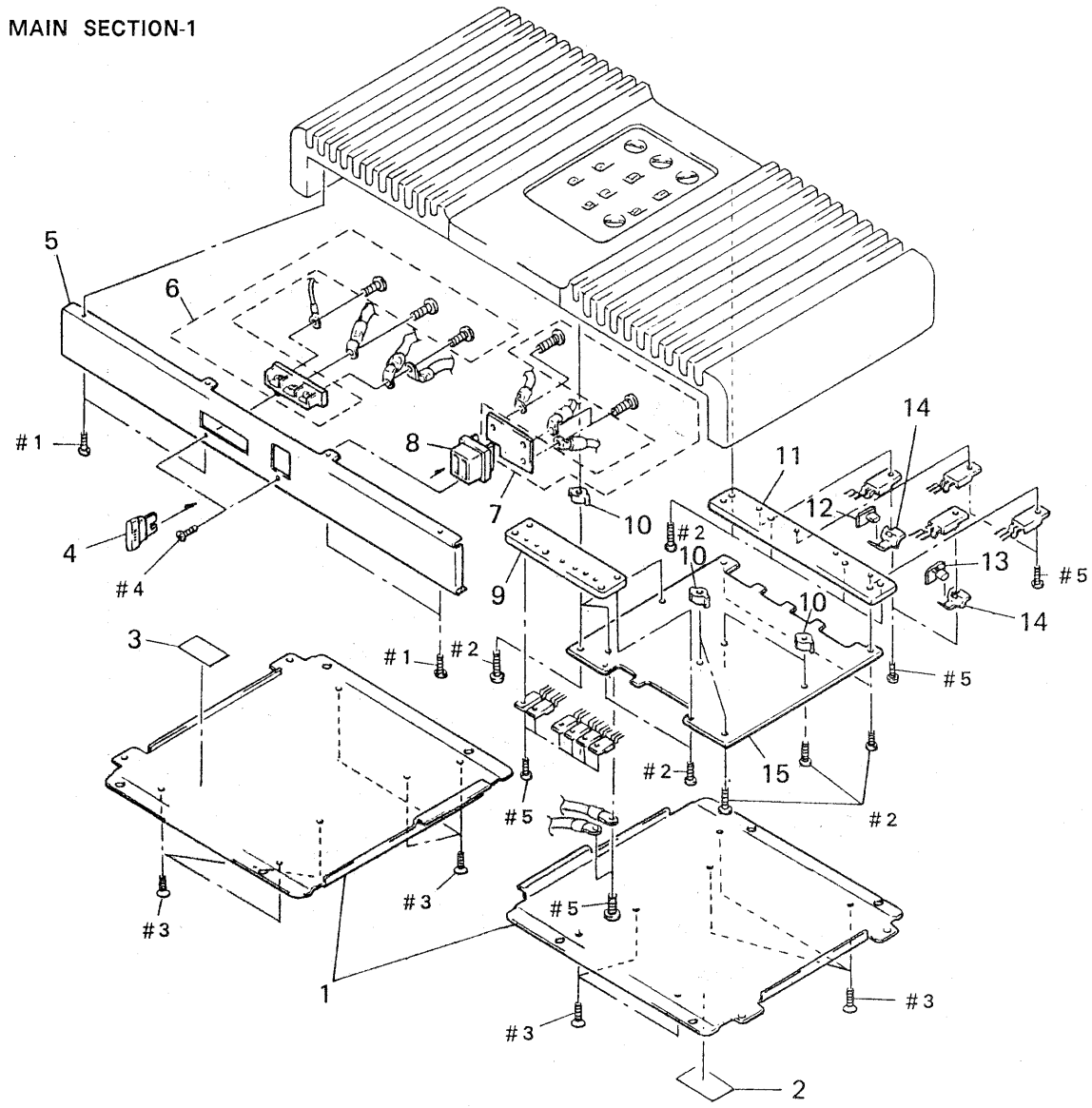
SECTION 3
EXPLODED VIEWS

SEE ADDITIONAL INFORMATION

NOTE:

- –XX, –X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Color indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE)....(RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

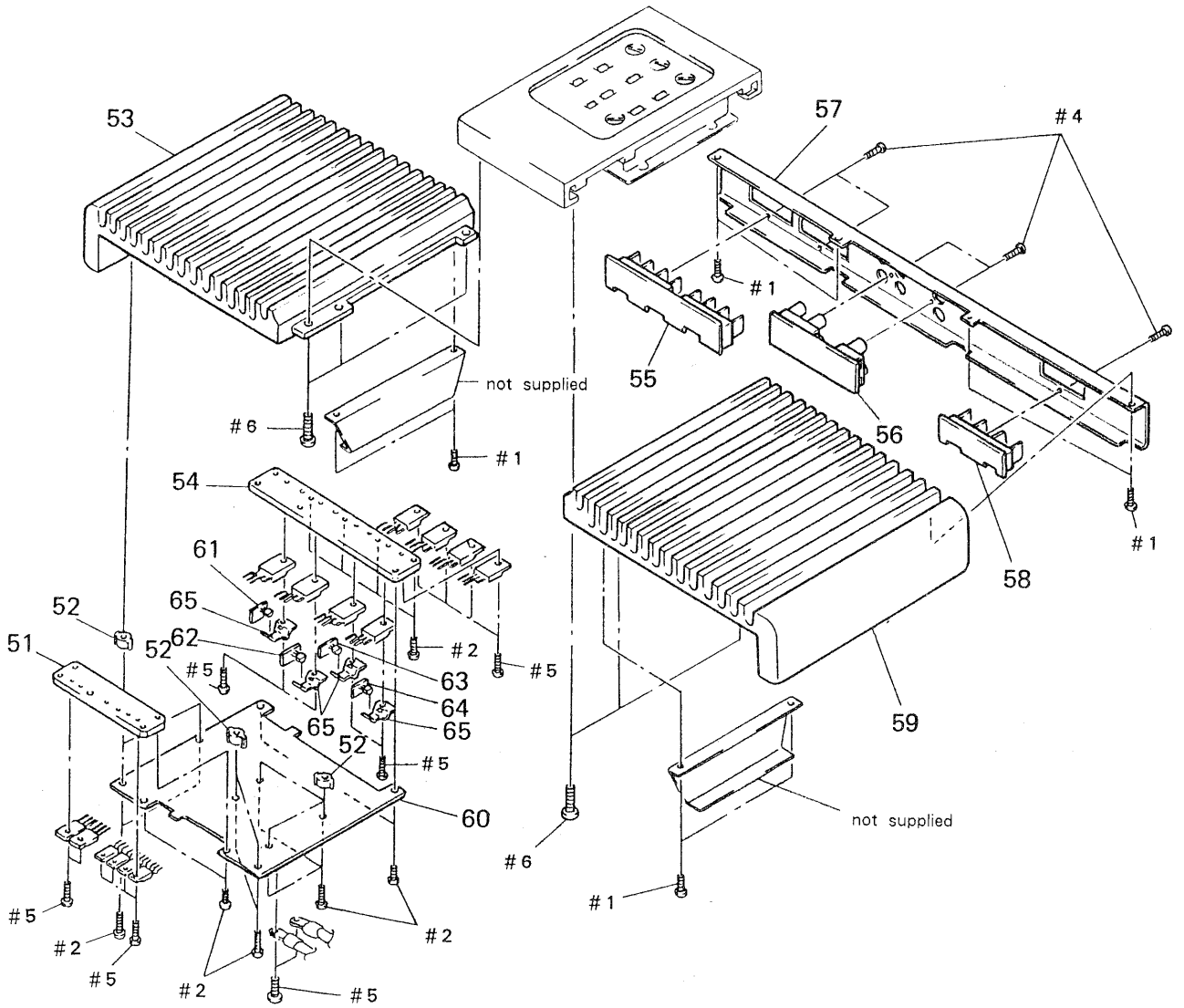
3-1. MAIN SECTION-1



Ref. No.	Part No.	Description	Remark
1	* 3-372-255-01	PLATE, BOTTOM	
2	* 3-372-263-01	LABEL, MODEL NUMBER (US, AEP)	
2	* 3-372-264-01	LABEL, MODEL NUMBER (Canadian)	
2	* 3-372-265-01	LABEL, MODEL NUMBER (UK, E, AE6)	
3	* 3-373-182-01	PLATE, SHIELD	
4	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE)	
5	* 3-372-275-01	PANEL (FRONT) (AEP, UK, E)	
5	* 3-372-275-11	PANEL (FRONT) (US, Canadian)	
6	1-537-348-21	TERMINAL BOARD (3P)	
7	* 1-641-619-11	FUSE BOARD	
8	1-533-226-11	HOLDER, FUSE (BRAID)	
9	* 3-372-258-01	HEAT SINK (SUB B)	
10	* 3-395-832-01	SPACER	
11	* 3-372-257-01	HEAT SINK (SUB A)	
12	* 1-641-612-11	2CHTR1 BOARD	
13	* 1-641-612-11	2CHTR2 BOARD	
14	* 3-396-106-01	BRACKET (TR)	
15	* A-3273-687-A	2CH BOARD, COMPLETE	

SEE ADDITIONAL INFORMATION

3-2. MAIN SECTION-2

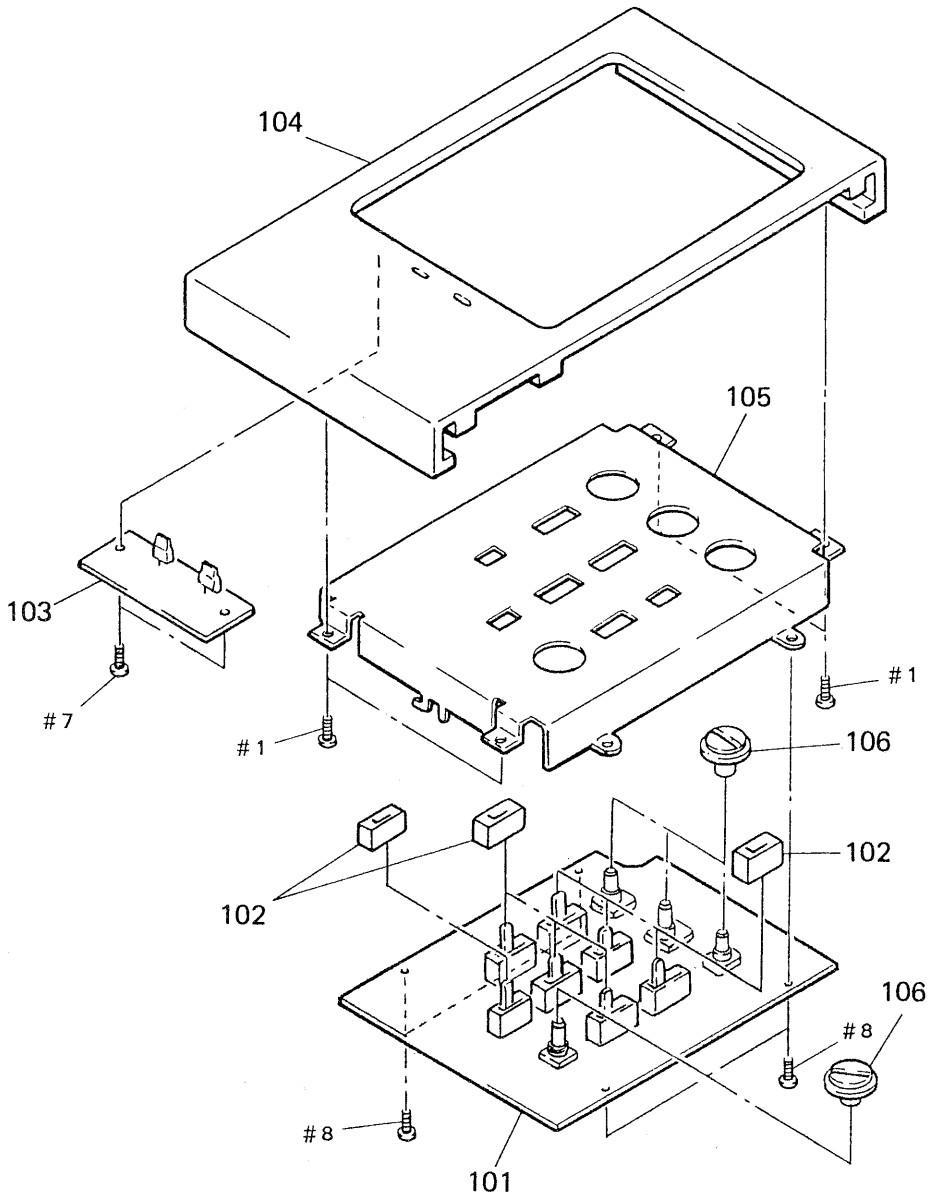


Ref. No.	Part No.	Description	Remark
51	* 3-372-258-01	HEAT SINK (SUB B)	
52	* 3-395-832-01	SPACER	
53	* 3-372-273-01	HEAT SINK (R)	
54	* 3-372-257-01	HEAT SINK (SUB A)	
55	* 1-641-615-11	OUTPUT H/M BOARD	
56	* 1-641-617-11	RCA BOARD	
57	* 3-372-276-01	PANEL (REAR)	
58	* 1-641-616-11	OUTPUT (L) BOARD	

Ref. No.	Part No.	Description	Remark
59	* 3-372-272-01	HEAT SINK (L)	
60	* A-3273-682-A	4CH BOARD, COMPLETE	
61	* 1-641-607-11	4CHTR1 BOARD	
62	* 1-641-607-11	4CHTR2 BOARD	
63	* 1-641-607-11	4CHTR3 BOARD	
64	* 1-641-607-11	4CHTR4 BOARD	
65	* 3-396-106-01	BRACKET (TR)	

3-3. MAIN SECTION-3

SEE ADDITIONAL INFORMATION



Ref. No.	Part No.	Description	Remark
101	* A-3273-690-A	CHANNEL DIVIDER BOARD, COMPLETE	
102	3-350-749-01	COVER (SW)	
103	* 1-641-618-11	LED BOARD	
104	* 3-372-274-01	CHASSIS (CENTER)	
105	* 3-372-277-01	PANEL (CENTER)	
106	3-350-753-01	KNOB (VR)	

2CH

SECTION 4
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- −XX, −X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked "＊" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA.... : μA...., uPA.... : μPA....
  uPB.... : μPB...., uPC.... : μPC....
  uPD.... : μPD....
- CAPACITORS
  uF : μF
- COILS
  uH : μH

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description			Remark
	＊ A-3273-687-A	2CH BOARD, COMPLETE			
		**********			
	＊ 1-641-612-11	2CHTR1 BOARD			
	＊ 1-641-612-11	2CHTR2 BOARD			
	＊ 3-372-257-01	HEAT SINK (SUB A)			
	＊ 3-372-258-01	HEAT SINK (SUB B)			
	＊ 3-395-832-01	SPACER			
	＊ 3-396-106-01	BRACKET (TR)			
		< CAPACITOR >			
C550	1-124-034-51	ELECT	33uF	20%	16V
C551	1-102-942-00	CERAMIC	5.0PF	+-0.5PF	50V
C552	1-101-880-00	CERAMIC	47PF	5%	50V
C553	1-101-880-00	CERAMIC	47PF	5%	50V
C554	1-101-880-00	CERAMIC	47PF	5%	50V
C555	1-123-380-00	ELECT	1uF	20%	50V
C556	1-130-491-00	MYLAR	0.047uF	5%	50V
C650	1-124-034-51	ELECT	33uF	20%	16V
C651	1-102-942-00	CERAMIC	5.0PF	+-0.5PF	50V
C652	1-101-880-00	CERAMIC	47PF	5%	50V
C653	1-101-880-00	CERAMIC	47PF	5%	50V
C654	1-101-880-00	CERAMIC	47PF	5%	50V
C655	1-123-380-00	ELECT	1uF	20%	50V
C656	1-130-491-00	MYLAR	0.047uF	5%	50V
C701	1-136-366-00	FILM	0.1uF	5%	50V
C702	1-136-366-00	FILM	0.1uF	5%	50V
C704	1-126-235-11	ELECT	100uF	20%	16V
C705	1-126-101-11	ELECT	100uF	20%	16V
C706	1-102-074-00	CERAMIC	0.001uF	10%	50V
C707	1-124-443-00	ELECT	100uF	20%	10V
C708	1-126-176-11	ELECT	220uF	20%	10V
C709	1-123-306-00	ELECT	47uF	20%	10V
C710	1-102-129-00	CERAMIC	10000PF	10%	50V
C711	1-124-463-00	ELECT	0.1uF	20%	50V
C716	1-123-380-00	ELECT	1uF	20%	50V
C717	1-136-366-00	FILM	0.1uF	5%	50V
C718	1-124-343-00	ELECT	2200uF	20%	16V
C719	1-124-343-00	ELECT	2200uF	20%	16V
C720	1-124-911-11	ELECT	220uF	20%	50V
C721	1-124-911-11	ELECT	220uF	20%	50V
C722	1-128-458-11	ELECT	3900uF	20%	50V
C723	1-128-458-11	ELECT	3900uF	20%	50V
C724	1-136-366-00	FILM	0.1uF	5%	50V
C725	1-136-366-00	FILM	0.1uF	5%	50V
C726	1-123-306-00	ELECT	47uF	20%	10V
		< CONNECTOR >			
CNP702	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P			
CNP703 ＊	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CNP704 ＊	1-569-978-11	PIN, CONNECTOR (PC BOARD) 7P			
CNP706 ＊	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP707 ＊	1-564-241-00	PIN, CONNECTOR (B4P-VH) 4P			
		< DIODE >			
D501	8-719-802-30	DIODE	1SS176		
D502	8-719-802-30	DIODE	1SS176		
D503	8-719-802-30	DIODE	1SS176		
D601	8-719-802-30	DIODE	1SS176		
D602	8-719-802-30	DIODE	1SS176		
D603	8-719-802-30	DIODE	1SS176		
D701	8-719-110-49	DIODE	RD18ES-B2		
D702	8-719-109-97	DIODE	RD6.8ES-B2		
D703	8-719-109-68	DIODE	RD3.6ES-B1		
D704	8-719-802-30	DIODE	1SS176		
D705	8-719-802-30	DIODE	1SS176		
D706	8-719-802-30	DIODE	1SS176		
D707	8-719-802-30	DIODE	1SS176		

Ref. No.	Part No.	Description	Remark
D708	8-719-802-30	DIODE 1SS176	
D709	8-719-802-30	DIODE 1SS176	
D710	8-719-110-42	DIODE RD15ES-B3	
D711	8-719-110-42	DIODE RD15ES-B3	
D712	8-719-802-30	DIODE 1SS176	
D713	8-719-210-30	DIODE F10P20F(R)	
D714	8-719-210-38	DIODE F10P20FR	
D717	8-719-802-30	DIODE 1SS176	
D718	8-719-802-30	DIODE 1SS176	
		< IC >	
IC714	8-759-103-87	IC uPC494C	
		< COIL >	
L501	* 1-428-086-11	COIL, AIR-CORE	
L601	* 1-428-086-11	COIL, AIR-CORE	
L701	1-424-303-11	COIL, CHOKE 0.26mH	
L702	1-424-112-11	COIL, CHOKE 7.5uH	
		< TRANSISTOR >	
Q501	8-729-203-48	TRANSISTOR 2SC3327-A	
Q502	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q503	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q504	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q505	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q506	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q507	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q508	8-729-281-52	TRANSISTOR 2SC1815-Y	
Q509	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q510	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q511	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q512	8-729-321-20	TRANSISTOR 2SC4387-Y	
Q513	8-729-321-23	TRANSISTOR 2SA1672-Y	
Q514	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q601	8-729-203-48	TRANSISTOR 2SC3327-A	
Q602	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q603	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q604	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q605	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q606	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q607	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q608	8-729-281-52	TRANSISTOR 2SC1815-Y	
Q609	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q610	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q611	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q612	8-729-321-20	TRANSISTOR 2SC4387-Y	
Q613	8-729-321-23	TRANSISTOR 2SA1672-Y	
Q614	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q701	8-729-201-53	TRANSISTOR 2SA1015-GR	

Ref. No.	Part No.	Description	Remark
Q702	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q703	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q704	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q705	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q706	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q707	8-729-209-15	TRANSISTOR 2SD2012	
Q708	8-729-111-67	TRANSISTOR 2SB1094-L	
Q709	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q710	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q711	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q712	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q713	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q714	8-729-803-58	TRANSISTOR 2SA1481-F	
Q715	8-729-803-58	TRANSISTOR 2SA1481-F	
Q716	8-729-322-52	TRANSISTOR 2SK1191	
Q717	8-729-322-52	TRANSISTOR 2SK1191	
Q718	8-729-322-52	TRANSISTOR 2SK1191	
Q719	8-729-322-52	TRANSISTOR 2SK1191	
Q720	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		< RESISTOR >	
R524	1-249-429-11	CARBON 10K 5% 1/4W	
R525	1-249-441-11	CARBON 100K 5% 1/4W	
R550	1-249-417-11	CARBON 1K 5% 1/4W	
R551	1-249-429-11	CARBON 10K 5% 1/4W	
R552	1-249-421-11	CARBON 2.2K 5% 1/4W	
R553	1-249-421-11	CARBON 2.2K 5% 1/4W	
R554	1-249-437-11	CARBON 47K 5% 1/4W	
R555	1-249-437-11	CARBON 47K 5% 1/4W	
R556	1-249-405-11	CARBON 100 5% 1/4W	
R557	1-249-405-11	CARBON 100 5% 1/4W	
R558	1-249-416-11	CARBON 820 5% 1/4W	
R559	1-249-411-11	CARBON 330 5% 1/4W	
R560	1-249-411-11	CARBON 330 5% 1/4W	
R561	1-249-393-11	CARBON 10 5% 1/4W	
R562	1-249-393-11	CARBON 10 5% 1/4W	
R563	1-249-417-11	CARBON 1K 5% 1/4W	
R564	1-249-417-11	CARBON 1K 5% 1/4W	
R565	1-249-417-11	CARBON 1K 5% 1/4W	
R566	1-205-991-11	RES, METEL PLATE 0.1	
R567	1-249-393-11	CARBON 10 5% 1/4W	
R568	1-247-895-00	CARBON 470K 5% 1/4W	
R569	1-215-857-11	METAL OXIDE 10 5% 1W	F
R570	1-249-429-11	CARBON 10K 5% 1/4W	
R624	1-249-429-11	CARBON 10K 5% 1/4W	
R625	1-249-441-11	CARBON 100K 5% 1/4W	
R650	1-249-417-11	CARBON 1K 5% 1/4W	
R651	1-249-429-11	CARBON 10K 5% 1/4W	
R652	1-249-421-11	CARBON 2.2K 5% 1/4W	

2CH 4CH

Ref. No.	Part No.	Description				Remark
R653	1-249-421-11	CARBON	2.2K	5%	1/4W	
R654	1-249-437-11	CARBON	47K	5%	1/4W	
R655	1-249-437-11	CARBON	47K	5%	1/4W	
R656	1-249-405-11	CARBON	100	5%	1/4W	
R657	1-249-405-11	CARBON	100	5%	1/4W	
R658	1-249-416-11	CARBON	820	5%	1/4W	
R659	1-249-411-11	CARBON	330	5%	1/4W	
R660	1-249-411-11	CARBON	330	5%	1/4W	
R661	1-249-393-11	CARBON	10	5%	1/4W	
R662	1-249-393-11	CARBON	10	5%	1/4W	
R663	1-249-417-11	CARBON	1K	5%	1/4W	
R664	1-249-417-11	CARBON	1K	5%	1/4W	
R665	1-249-417-11	CARBON	1K	5%	1/4W	
R666	1-205-991-11	RES, METEL PLATE 0.1				
R667	1-249-393-11	CARBON	10	5%	1/4W	
R668	1-247-895-00	CARBON	470K	5%	1/4W	
R669	1-215-857-11	METAL OXIDE	10	5%	1W	F
R670	1-249-429-11	CARBON	10K	5%	1/4W	
R701	1-249-423-11	CARBON	3.3K	5%	1/4W	
R702	1-249-411-11	CARBON	330	5%	1/4W	
R703	1-247-237-00	CARBON	750	5%	1/2W	
R704	1-249-424-11	CARBON	3.9K	5%	1/4W	
R705	1-249-421-11	CARBON	2.2K	5%	1/4W	
R706	1-249-431-11	CARBON	15K	5%	1/4W	
R707	1-249-411-11	CARBON	330	5%	1/4W	
R708	1-249-432-11	CARBON	18K	5%	1/4W	
R709	1-249-429-11	CARBON	10K	5%	1/4W	
R710	1-249-438-11	CARBON	56K	5%	1/4W	
R711	1-249-429-11	CARBON	10K	5%	1/4W	
R712	1-249-417-11	CARBON	1K	5%	1/4W	
R713	1-249-417-11	CARBON	1K	5%	1/4W	
R714	1-249-406-11	CARBON	120	5%	1/4W	
R715	1-249-406-11	CARBON	120	5%	1/4W	
R716	1-249-413-11	CARBON	470	5%	1/4W	
R717	1-249-423-11	CARBON	3.3K	5%	1/4W	
R718	1-249-423-11	CARBON	3.3K	5%	1/4W	
R719	1-249-425-11	CARBON	4.7K	5%	1/4W	
R720	1-249-429-11	CARBON	10K	5%	1/4W	
R721	1-249-429-11	CARBON	10K	5%	1/4W	
R722	1-249-429-11	CARBON	10K	5%	1/4W	
R723	1-249-422-11	CARBON	2.7K	5%	1/4W	
R724	1-249-426-11	CARBON	5.6K	5%	1/4W	
R725	1-216-451-11	METAL OXIDE	120	5%	2W	F
R726	1-216-451-11	METAL OXIDE	120	5%	2W	F
R727	1-249-423-11	CARBON	3.3K	5%	1/4W	
R728	1-249-423-11	CARBON	3.3K	5%	1/4W	
R729	1-249-422-11	CARBON	2.7K	5%	1/4W	
R730	1-249-419-11	CARBON	1.5K	5%	1/4W	
R731	1-249-437-11	CARBON	47K	5%	1/4W	
R732	1-249-427-11	CARBON	6.8K	5%	1/4W	
R733	1-249-441-11	CARBON	100K	5%	1/4W	
R734	1-249-425-11	CARBON	4.7K	5%	1/4W	
R735	1-249-413-11	CARBON	470	5%	1/4W	
R736	1-249-411-11	CARBON	330	5%	1/4W	
R737	1-249-411-11	CARBON	330	5%	1/4W	
R738	1-249-409-11	CARBON	220	5%	1/4W	
R739	1-249-409-11	CARBON	220	5%	1/4W	
R740	1-249-409-11	CARBON	220	5%	1/4W	
R741	1-249-409-11	CARBON	220	5%	1/4W	
R742	1-247-903-00	CARBON	1M	5%	1/4W	
R743	1-249-429-11	CARBON	10K	5%	1/4W	
R753	1-249-429-11	CARBON	10K	5%	1/4W	
		< TRANSFORMER >				
T701	1-450-738-11	TRANSFORMER, DC-DC CONVERTER				
		< THERMISTOR >				
TH701	1-800-427-00	POSISTOR				
TH702	1-808-877-11	THERMISTOR				
		**********				
	* A-3273-682-A	4CH BOARD, COMPLETE				
		**********				
	* 1-641-607-11	4CHTR1 BOARD				
	* 1-641-607-11	4CHTR2 BOARD				
	* 1-641-607-11	4CHTR3 BOARD				
	* 1-641-607-11	4CHTR4 BOARD				
	* 3-372-257-01	HEAT SINK (SUB A)				
	* 3-372-258-01	HEAT SINK (SUB B)				
	* 3-395-832-01	SPACER				
	* 3-396-106-01	BRACKET (TR)				
		< CAPACITOR >				
C150	1-124-915-11	ELECT	10uF	20%	63V	
C151	1-102-942-00	CERAMIC	5.0PF	+-0.5PF	50V	
C152	1-101-880-00	CERAMIC	47PF	5%	50V	
C153	1-101-880-00	CERAMIC	47PF	5%	50V	
C154	1-101-880-00	CERAMIC	47PF	5%	50V	
C155	1-123-380-00	ELECT	1uF	20%	50V	
C156	1-130-491-00	MYLAR	0.047uF	5%	50V	
C250	1-124-915-11	ELECT	10uF	20%	63V	
C251	1-102-942-00	CERAMIC	5.0PF	+-0.5PF	50V	
C252	1-101-880-00	CERAMIC	47PF	5%	50V	
C253	1-101-880-00	CERAMIC	47PF	5%	50V	
C254	1-101-880-00	CERAMIC	47PF	5%	50V	
C255	1-123-380-00	ELECT	1uF	20%	50V	

Ref. No.	Part No.	Description			Remark
C256	1-130-491-00	MYLAR	0.047uF	5%	50V
C350	1-124-915-11	ELECT	10uF	20%	63V
C351	1-102-942-00	CERAMIC	5.0PF	+-0.5PF	50V
C352	1-101-880-00	CERAMIC	47PF	5%	50V
C353	1-101-880-00	CERAMIC	47PF	5%	50V
C354	1-101-880-00	CERAMIC	47PF	5%	50V
C355	1-123-380-00	ELECT	1uF	20%	50V
C356	1-130-491-00	MYLAR	0.047uF	5%	50V
C450	1-124-915-11	ELECT	10uF	20%	63V
C451	1-102-942-00	CERAMIC	5.0PF	+-0.5PF	50V
C452	1-101-880-00	CERAMIC	47PF	5%	50V
C453	1-101-880-00	CERAMIC	47PF	5%	50V
C454	1-101-880-00	CERAMIC	47PF	5%	50V
C455	1-123-380-00	ELECT	1uF	20%	50V
C456	1-130-491-00	MYLAR	0.047uF	5%	50V
C731	1-136-366-00	FILM	0.1uF	5%	50V
C732	1-124-556-11	ELECT	2200uF	20%	16V
C733	1-124-556-11	ELECT	2200uF	20%	16V
C734	1-124-911-11	ELECT	220uF	20%	50V
C735	1-124-911-11	ELECT	220uF	20%	50V
C736	1-128-315-11	ELECT	1500uF	20%	35V
C737	1-128-315-11	ELECT	1500uF	20%	35V
C738	1-128-315-11	ELECT	1500uF	20%	35V
C739	1-128-315-11	ELECT	1500uF	20%	35V
C740	1-136-366-00	FILM	0.1uF	5%	50V
C741	1-136-366-00	FILM	0.1uF	5%	50V
C742	1-124-463-00	ELECT	0.1uF	20%	50V
C743	1-124-126-00	ELECT	47uF	20%	10V
C744	1-136-366-00	FILM	0.1uF	5%	50V
C745	1-126-101-11	ELECT	100uF	20%	16V
C754	1-102-074-00	CERAMIC	0.001uF	10%	50V
C755	1-102-074-00	CERAMIC	0.001uF	10%	50V

< CONNECTOR >

CNP705 *	1-564-710-11	PIN, CONNECTOR (SMALL TYPE)	8P
CNP710 *	1-564-704-11	PIN, CONNECTOR (SMALL TYPE)	2P
CNP711 *	1-564-104-00	PIN, CONNECTOR (B3P-VH)	3P
CNP712 *	1-564-104-00	PIN, CONNECTOR (B3P-VH)	3P
CNP713 *	1-569-974-11	PIN, CONNECTOR (PC BOARD)	3P
CNP713 *	1-569-975-11	PIN, CONNECTOR (PC BOARD)	4P

< DIODE >

D101	8-719-802-30	DIODE	1SS176
D102	8-719-802-30	DIODE	1SS176
D103	8-719-802-30	DIODE	1SS176
D201	8-719-802-30	DIODE	1SS176
D202	8-719-802-30	DIODE	1SS176
D203	8-719-802-30	DIODE	1SS176
D301	8-719-802-30	DIODE	1SS176
D302	8-719-802-30	DIODE	1SS176
D303	8-719-802-30	DIODE	1SS176
D401	8-719-802-30	DIODE	1SS176
D402	8-719-802-30	DIODE	1SS176
D403	8-719-802-30	DIODE	1SS176
D715	8-719-023-35	DIODE	FMG-32S
D716	8-719-023-34	DIODE	FMG-32R

< COIL >

L101 *	1-428-086-11	COIL, AIR-CORE	
L201 *	1-428-086-11	COIL, AIR-CORE	
L301 *	1-428-086-11	COIL, AIR-CORE	
L401 *	1-428-086-11	COIL, AIR-CORE	
L703	1-424-303-11	COIL, CHOKE 0.26mH	
L704	1-424-112-11	COIL, CHOKE 7.5uH	

< TRANSISTOR >

Q101	8-729-203-48	TRANSISTOR	2SC3327-A
Q102	8-729-281-53	TRANSISTOR	2SC1815-GR
Q103	8-729-281-53	TRANSISTOR	2SC1815-GR
Q104	8-729-201-53	TRANSISTOR	2SA1015-GR
Q105	8-729-201-53	TRANSISTOR	2SA1015-GR
Q106	8-729-140-82	TRANSISTOR	2SA988-PAFAEA
Q107	8-729-184-53	TRANSISTOR	2SC1845-EA
Q108	8-729-281-52	TRANSISTOR	2SC1815-Y
Q109	8-729-207-82	TRANSISTOR	2SC3421-Y
Q110	8-729-207-89	TRANSISTOR	2SA1358-Y
Q111	8-729-201-53	TRANSISTOR	2SA1015-GR
Q112	8-729-321-40	TRANSISTOR	2SC4386-Y
Q113	8-729-321-37	TRANSISTOR	2SA1671-Y
Q114	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q201	8-729-203-48	TRANSISTOR	2SC3327-A
Q202	8-729-281-53	TRANSISTOR	2SC1815-GR
Q203	8-729-281-53	TRANSISTOR	2SC1815-GR
Q204	8-729-201-53	TRANSISTOR	2SA1015-GR
Q205	8-729-201-53	TRANSISTOR	2SA1015-GR
Q206	8-729-140-82	TRANSISTOR	2SA988-PAFAEA
Q207	8-729-184-53	TRANSISTOR	2SC1845-EA
Q208	8-729-281-52	TRANSISTOR	2SC1815-Y
Q209	8-729-207-82	TRANSISTOR	2SC3421-Y
Q210	8-729-207-89	TRANSISTOR	2SA1358-Y
Q211	8-729-201-53	TRANSISTOR	2SA1015-GR
Q212	8-729-321-40	TRANSISTOR	2SC4386-Y
Q213	8-729-321-37	TRANSISTOR	2SA1671-Y
Q214	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q301	8-729-203-48	TRANSISTOR	2SC3327-A
Q302	8-729-281-53	TRANSISTOR	2SC1815-GR

4CH

Ref. No.	Part No.	Description	Remark
Q303	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q304	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q305	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q306	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q307	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q308	8-729-281-52	TRANSISTOR 2SC1815-Y	
Q309	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q310	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q311	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q312	8-729-321-40	TRANSISTOR 2SC4386-Y	
Q313	8-729-321-37	TRANSISTOR 2SA1671-Y	
Q314	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q401	8-729-203-48	TRANSISTOR 2SC3327-A	
Q402	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q403	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q404	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q405	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q406	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q407	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q408	8-729-281-52	TRANSISTOR 2SC1815-Y	
Q409	8-729-207-82	TRANSISTOR 2SC3421-Y	
Q410	8-729-207-89	TRANSISTOR 2SA1358-Y	
Q411	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q412	8-729-321-40	TRANSISTOR 2SC4386-Y	
Q413	8-729-321-37	TRANSISTOR 2SA1671-Y	
Q414	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q721	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q722	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q723	8-729-803-58	TRANSISTOR 2SA1481-F	
Q724	8-729-803-58	TRANSISTOR 2SA1481-F	
Q725	8-729-322-52	TRANSISTOR 2SK1191	
Q726	8-729-322-52	TRANSISTOR 2SK1191	
Q727	8-729-322-52	TRANSISTOR 2SK1191	
Q728	8-729-322-52	TRANSISTOR 2SK1191	
Q729	8-729-119-78	TRANSISTOR 2SC2785-HFE	

< RESISTOR >

Ref. No.	Part No.	Description			Remark
R119	1-249-429-11	CARBON	10K	5% 1/4W	
R120	1-249-441-11	CARBON	100K	5% 1/4W	
R150	1-249-417-11	CARBON	1K	5% 1/4W	
R151	1-249-429-11	CARBON	10K	5% 1/4W	
R152	1-249-423-11	CARBON	3.3K	5% 1/4W	
R153	1-249-423-11	CARBON	3.3K	5% 1/4W	
R154	1-249-437-11	CARBON	47K	5% 1/4W	
R155	1-249-437-11	CARBON	47K	5% 1/4W	
R156	1-249-405-11	CARBON	100	5% 1/4W	
R157	1-249-405-11	CARBON	100	5% 1/4W	
R158	1-249-416-11	CARBON	820	5% 1/4W	
R159	1-249-411-11	CARBON	330	5% 1/4W	
R160	1-249-411-11	CARBON	330	5% 1/4W	
R161	1-249-393-11	CARBON	10	5% 1/4W	
R162	1-249-393-11	CARBON	10	5% 1/4W	
R163	1-249-417-11	CARBON	1K	5% 1/4W	
R164	1-249-417-11	CARBON	1K	5% 1/4W	
R165	1-249-417-11	CARBON	1K	5% 1/4W	
R166	1-219-130-11	RES, METAL PLATE 0.1X2			
R167	1-249-393-11	CARBON	10	5% 1/4W	
R168	1-247-895-00	CARBON	470K	5% 1/4W	
R169	1-215-857-11	METAL OXIDE	10	5% 1W	F
R170	1-249-429-11	CARBON	10K	5% 1/4W	
R219	1-249-429-11	CARBON	10K	5% 1/4W	
R220	1-249-441-11	CARBON	100K	5% 1/4W	
R250	1-249-417-11	CARBON	1K	5% 1/4W	
R251	1-249-429-11	CARBON	10K	5% 1/4W	
R252	1-249-423-11	CARBON	3.3K	5% 1/4W	
R253	1-249-423-11	CARBON	3.3K	5% 1/4W	
R254	1-249-437-11	CARBON	47K	5% 1/4W	
R255	1-249-437-11	CARBON	47K	5% 1/4W	
R256	1-249-405-11	CARBON	100	5% 1/4W	
R257	1-249-405-11	CARBON	100	5% 1/4W	
R258	1-249-416-11	CARBON	820	5% 1/4W	
R259	1-249-411-11	CARBON	330	5% 1/4W	
R260	1-249-411-11	CARBON	330	5% 1/4W	
R261	1-249-393-11	CARBON	10	5% 1/4W	
R262	1-249-393-11	CARBON	10	5% 1/4W	
R263	1-249-417-11	CARBON	1K	5% 1/4W	
R264	1-249-417-11	CARBON	1K	5% 1/4W	
R265	1-249-417-11	CARBON	1K	5% 1/4W	
R266	1-219-130-11	RES, METAL PLATE 0.1X2			
R267	1-249-393-11	CARBON	10	5% 1/4W	
R268	1-247-895-00	CARBON	470K	5% 1/4W	
R269	1-215-857-11	METAL OXIDE	10	5% 1W	F
R270	1-249-429-11	CARBON	10K	5% 1/4W	
R325	1-249-429-11	CARBON	10K	5% 1/4W	
R326	1-249-441-11	CARBON	100K	5% 1/4W	
R350	1-249-417-11	CARBON	1K	5% 1/4W	
R351	1-249-429-11	CARBON	10K	5% 1/4W	
R352	1-249-423-11	CARBON	3.3K	5% 1/4W	
R353	1-249-423-11	CARBON	3.3K	5% 1/4W	
R354	1-249-437-11	CARBON	47K	5% 1/4W	
R355	1-249-437-11	CARBON	47K	5% 1/4W	
R356	1-249-405-11	CARBON	100	5% 1/4W	
R357	1-249-405-11	CARBON	100	5% 1/4W	
R358	1-249-416-11	CARBON	820	5% 1/4W	
R359	1-249-411-11	CARBON	330	5% 1/4W	
R360	1-249-411-11	CARBON	330	5% 1/4W	
R361	1-249-393-11	CARBON	10	5% 1/4W	

4CH CHANNEL DIVIDER

Ref. No.	Part No.	Description				Remark
R362	1-249-393-11	CARBON	10	5%	1/4W	
R363	1-249-417-11	CARBON	1K	5%	1/4W	
R364	1-249-417-11	CARBON	1K	5%	1/4W	
R365	1-249-417-11	CARBON	1K	5%	1/4W	
R366	1-219-130-11	RES, METAL PLATE 0.1X2				
R367	1-249-393-11	CARBON	10	5%	1/4W	
R368	1-247-895-00	CARBON	470K	5%	1/4W	
R369	1-215-857-11	METAL OXIDE	10	5%	1W	F
R370	1-249-429-11	CARBON	10K	5%	1/4W	
R425	1-249-429-11	CARBON	10K	5%	1/4W	
R426	1-249-441-11	CARBON	100K	5%	1/4W	
R450	1-249-417-11	CARBON	1K	5%	1/4W	
R451	1-249-429-11	CARBON	10K	5%	1/4W	
R452	1-249-423-11	CARBON	3.3K	5%	1/4W	
R453	1-249-423-11	CARBON	3.3K	5%	1/4W	
R454	1-249-437-11	CARBON	47K	5%	1/4W	
R455	1-249-437-11	CARBON	47K	5%	1/4W	
R456	1-249-405-11	CARBON	100	5%	1/4W	
R457	1-249-405-11	CARBON	100	5%	1/4W	
R458	1-249-416-11	CARBON	820	5%	1/4W	
R459	1-249-411-11	CARBON	330	5%	1/4W	
R460	1-249-411-11	CARBON	330	5%	1/4W	
R461	1-249-393-11	CARBON	10	5%	1/4W	
R462	1-249-393-11	CARBON	10	5%	1/4W	
R463	1-249-417-11	CARBON	1K	5%	1/4W	
R464	1-249-417-11	CARBON	1K	5%	1/4W	
R465	1-249-417-11	CARBON	1K	5%	1/4W	
R466	1-219-130-11	RES, METAL PLATE 0.1X2				
R467	1-249-393-11	CARBON	10	5%	1/4W	
R468	1-247-895-00	CARBON	470K	5%	1/4W	
R469	1-215-857-11	METAL OXIDE	10	5%	1W	F
R470	1-249-429-11	CARBON	10K	5%	1/4W	
R744	1-249-411-11	CARBON	330	5%	1/4W	
R745	1-249-411-11	CARBON	330	5%	1/4W	
R746	1-249-409-11	CARBON	220	5%	1/4W	
R747	1-249-409-11	CARBON	220	5%	1/4W	
R748	1-249-409-11	CARBON	220	5%	1/4W	
R749	1-249-409-11	CARBON	220	5%	1/4W	
R750	1-249-426-11	CARBON	5.6K	5%	1/4W	
R751	1-247-903-00	CARBON	1M	5%	1/4W	
R752	1-249-429-11	CARBON	10K	5%	1/4W	
R754	1-249-411-11	CARBON	330	5%	1/4W	
		< TRANSFORMER >				
T702	1-450-528-11	TRANSFORMER, DC-DC CONVERTER				
		< THERMISTOR >				
TH703	1-800-427-00	POSISTOR				
TH704	1-808-877-11	THERMISTOR				
		< CONNECTOR PIN >				
TP701	* 1-569-973-11	PIN, CONNECTOR (PC BOARD) 2P				
		**********				
	* A-3273-690-A	CHANNEL DIVIDER BOARD, COMPLETE				
		**********				
	3-350-749-01	COVER (SW)				
	3-350-753-01	KNOB (VR)				
	* 3-372-277-01	PANEL (CENTER)				
		< CAPACITOR >				
C101	1-124-915-11	ELECT	10uF	20%	63V	
C102	1-102-106-00	CERAMIC	100PF	10%	50V	
C104	1-124-915-11	ELECT	10uF	20%	63V	
C105	1-124-915-11	ELECT	10uF	20%	63V	
C106	1-136-173-00	FILM	0.47uF	5%	50V	
C107	1-136-171-00	FILM	0.33uF	5%	50V	
C108	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C109	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C110	1-136-173-00	FILM	0.47uF	5%	50V	
C111	1-136-171-00	FILM	0.33uF	5%	50V	
C112	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C113	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C201	1-124-915-11	ELECT	10uF	20%	63V	
C202	1-102-106-00	CERAMIC	100PF	10%	50V	
C204	1-124-915-11	ELECT	10uF	20%	63V	
C205	1-124-915-11	ELECT	10uF	20%	63V	
C206	1-136-173-00	FILM	0.47uF	5%	50V	
C207	1-136-171-00	FILM	0.33uF	5%	50V	
C208	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C209	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C210	1-136-173-00	FILM	0.47uF	5%	50V	
C211	1-136-171-00	FILM	0.33uF	5%	50V	
C212	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C213	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C301	1-124-915-11	ELECT	10uF	20%	63V	
C302	1-102-106-00	CERAMIC	100PF	10%	50V	
C303	1-124-915-11	ELECT	10uF	20%	63V	
C304	1-124-915-11	ELECT	10uF	20%	63V	
C305	1-124-915-11	ELECT	10uF	20%	63V	
C306	1-136-173-00	FILM	0.47uF	5%	50V	
C307	1-136-171-00	FILM	0.33uF	5%	50V	
C308	1-136-169-00	FILM	0.22uF	5%	50V	
C309	1-136-166-00	FILM	0.12uF	5%	50V	
C310	1-136-173-00	FILM	0.47uF	5%	50V	
C311	1-136-171-00	FILM	0.33uF	5%	50V	

CHANNEL DIVIDER

Ref. No.	Part No.	Description			Remark
C312	1-136-169-00	FILM	0.22uF	5%	50V
C313	1-136-166-00	FILM	0.12uF	5%	50V
C314	1-130-483-00	MYLAR	0.01uF	5%	50V
C315	1-130-483-00	MYLAR	0.01uF	5%	50V
C316	1-130-483-00	MYLAR	0.01uF	5%	50V
C317	1-130-479-00	MYLAR	0.0047uF	5%	50V
C318	1-130-491-00	MYLAR	0.047uF	5%	50V
C319	1-130-491-00	MYLAR	0.047uF	5%	50V
C320	1-124-915-11	ELECT	10uF	20%	63V
C321	1-102-106-00	CERAMIC	100PF	10%	50V
C401	1-124-915-11	ELECT	10uF	20%	63V
C402	1-102-106-00	CERAMIC	100PF	10%	50V
C403	1-124-915-11	ELECT	10uF	20%	63V
C404	1-124-915-11	ELECT	10uF	20%	63V
C405	1-124-915-11	ELECT	10uF	20%	63V
C406	1-136-173-00	FILM	0.47uF	5%	50V
C407	1-136-171-00	FILM	0.33uF	5%	50V
C408	1-136-169-00	FILM	0.22uF	5%	50V
C409	1-136-166-00	FILM	0.12uF	5%	50V
C410	1-136-173-00	FILM	0.47uF	5%	50V
C411	1-136-171-00	FILM	0.33uF	5%	50V
C412	1-136-169-00	FILM	0.22uF	5%	50V
C413	1-136-166-00	FILM	0.12uF	5%	50V
C414	1-130-483-00	MYLAR	0.01uF	5%	50V
C415	1-130-483-00	MYLAR	0.01uF	5%	50V
C416	1-130-483-00	MYLAR	0.01uF	5%	50V
C417	1-130-479-00	MYLAR	0.0047uF	5%	50V
C418	1-130-491-00	MYLAR	0.047uF	5%	50V
C419	1-130-491-00	MYLAR	0.047uF	5%	50V
C420	1-124-915-11	ELECT	10uF	20%	63V
C421	1-102-106-00	CERAMIC	100PF	10%	50V
C501	1-124-257-00	ELECT	2.2uF	20%	50V
C502	1-124-464-11	ELECT	0.22uF	20%	50V
C503	1-136-173-00	FILM	0.47uF	5%	50V
C504	1-136-173-00	FILM	0.47uF	5%	50V
C505	1-136-173-00	FILM	0.47uF	5%	50V
C506	1-136-173-00	FILM	0.47uF	5%	50V
C507	1-136-169-00	FILM	0.22uF	5%	50V
C508	1-136-169-00	FILM	0.22uF	5%	50V
C509	1-136-169-00	FILM	0.22uF	5%	50V
C510	1-136-169-00	FILM	0.22uF	5%	50V
C511	1-130-491-00	MYLAR	0.047uF	5%	50V
C513	1-124-034-51	ELECT	33uF	20%	16V
C601	1-124-257-00	ELECT	2.2uF	20%	50V
C602	1-124-464-11	ELECT	0.22uF	20%	50V
C603	1-136-173-00	FILM	0.47uF	5%	50V
C604	1-136-173-00	FILM	0.47uF	5%	50V
C605	1-136-173-00	FILM	0.47uF	5%	50V
C606	1-136-173-00	FILM	0.47uF	5%	50V

Ref. No.	Part No.	Description			Remark
C607	1-136-169-00	FILM	0.22uF	5%	50V
C608	1-136-169-00	FILM	0.22uF	5%	50V
C609	1-136-169-00	FILM	0.22uF	5%	50V
C610	1-136-169-00	FILM	0.22uF	5%	50V
C611	1-130-491-00	MYLAR	0.047uF	5%	50V
C613	1-124-034-51	ELECT	33uF	20%	16V
C712	1-124-120-11	ELECT	220uF	20%	25V
C713	1-124-120-11	ELECT	220uF	20%	25V
C751	1-101-004-00	CERAMIC	0.01uF		50V
C752	1-101-004-00	CERAMIC	0.01uF		50V
C753	1-101-004-00	CERAMIC	0.01uF		50V
C756	1-101-004-00	CERAMIC	0.01uF		50V

< IC >

IC701	8-759-710-73	IC	NJM4580L
IC702	8-759-710-73	IC	NJM4580L
IC703	8-759-710-73	IC	NJM4580L
IC704	8-759-710-73	IC	NJM4580L
IC705	8-759-710-73	IC	NJM4580L
IC706	8-759-710-73	IC	NJM4580L
IC707	8-759-710-73	IC	NJM4580L
IC708	8-759-710-73	IC	NJM4580L
IC709	8-759-710-73	IC	NJM4580L
IC710	8-759-710-73	IC	NJM4580L
IC711	8-759-710-73	IC	NJM4580L
IC712	8-759-710-73	IC	NJM4580L
IC713	8-759-710-73	IC	NJM4580L

< TRANSISTOR >

Q351	8-729-203-48	TRANSISTOR	2SC3327-A
Q451	8-729-203-48	TRANSISTOR	2SC3327-A
Q551	8-729-281-53	TRANSISTOR	2SC1815-GR
Q651	8-729-281-53	TRANSISTOR	2SC1815-GR

< RESISTOR >

R101	1-249-417-11	CARBON	1K	5%	1/4W
R102	1-249-433-11	CARBON	22K	5%	1/4W
R103	1-249-417-11	CARBON	1K	5%	1/4W
R104	1-249-429-11	CARBON	10K	5%	1/4W
R105	1-249-429-11	CARBON	10K	5%	1/4W
R106	1-249-429-11	CARBON	10K	5%	1/4W
R107	1-249-429-11	CARBON	10K	5%	1/4W
R108	1-249-425-11	CARBON	4.7K	5%	1/4W
R109	1-249-425-11	CARBON	4.7K	5%	1/4W
R110	1-249-425-11	CARBON	4.7K	5%	1/4W
R111	1-249-425-11	CARBON	4.7K	5%	1/4W
R112	1-249-425-11	CARBON	4.7K	5%	1/4W
R113	1-249-425-11	CARBON	4.7K	5%	1/4W
R114	1-247-862-11	CARBON	20K	5%	1/4W

CHANNEL DIVIDER

Ref. No.	Part No.	Description			Remark
R115	1-247-862-11	CARBON	20K	5%	1/4W
R116	1-247-862-11	CARBON	20K	5%	1/4W
R117	1-247-862-11	CARBON	20K	5%	1/4W
R118	1-247-862-11	CARBON	20K	5%	1/4W
R201	1-249-417-11	CARBON	1K	5%	1/4W
R202	1-249-433-11	CARBON	22K	5%	1/4W
R203	1-249-417-11	CARBON	1K	5%	1/4W
R204	1-249-429-11	CARBON	10K	5%	1/4W
R205	1-249-429-11	CARBON	10K	5%	1/4W
R206	1-249-429-11	CARBON	10K	5%	1/4W
R207	1-249-429-11	CARBON	10K	5%	1/4W
R208	1-249-425-11	CARBON	4.7K	5%	1/4W
R209	1-249-425-11	CARBON	4.7K	5%	1/4W
R210	1-249-425-11	CARBON	4.7K	5%	1/4W
R211	1-249-425-11	CARBON	4.7K	5%	1/4W
R212	1-249-425-11	CARBON	4.7K	5%	1/4W
R213	1-249-425-11	CARBON	4.7K	5%	1/4W
R214	1-247-862-11	CARBON	20K	5%	1/4W
R215	1-247-862-11	CARBON	20K	5%	1/4W
R216	1-247-862-11	CARBON	20K	5%	1/4W
R217	1-247-862-11	CARBON	20K	5%	1/4W
R218	1-247-862-11	CARBON	20K	5%	1/4W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R302	1-249-433-11	CARBON	22K	5%	1/4W
R303	1-249-425-11	CARBON	4.7K	5%	1/4W
R304	1-249-425-11	CARBON	4.7K	5%	1/4W
R305	1-249-425-11	CARBON	4.7K	5%	1/4W
R306	1-249-417-11	CARBON	1K	5%	1/4W
R308	1-249-425-11	CARBON	4.7K	5%	1/4W
R309	1-249-425-11	CARBON	4.7K	5%	1/4W
R310	1-247-848-11	CARBON	5.1K	5%	1/4W
R311	1-247-848-11	CARBON	5.1K	5%	1/4W
R312	1-247-862-11	CARBON	20K	5%	1/4W
R313	1-247-862-11	CARBON	20K	5%	1/4W
R314	1-247-862-11	CARBON	20K	5%	1/4W
R315	1-247-862-11	CARBON	20K	5%	1/4W
R316	1-247-862-11	CARBON	20K	5%	1/4W
R317	1-249-429-11	CARBON	10K	5%	1/4W
R318	1-249-427-11	CARBON	6.8K	5%	1/4W
R319	1-249-425-11	CARBON	4.7K	5%	1/4W
R320	1-249-405-11	CARBON	100	5%	1/4W
R321	1-249-429-11	CARBON	10K	5%	1/4W
R322	1-249-427-11	CARBON	6.8K	5%	1/4W
R323	1-249-425-11	CARBON	4.7K	5%	1/4W
R324	1-247-903-00	CARBON	1M	5%	1/4W
R327	1-249-437-11	CARBON	47K	5%	1/4W
R328	1-249-441-11	CARBON	100K	5%	1/4W
R329	1-249-429-11	CARBON	10K	5%	1/4W
R330	1-249-441-11	CARBON	100K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R331	1-249-441-11	CARBON	100K	5%	1/4W
R401	1-249-417-11	CARBON	1K	5%	1/4W
R402	1-249-433-11	CARBON	22K	5%	1/4W
R403	1-249-425-11	CARBON	4.7K	5%	1/4W
R404	1-249-425-11	CARBON	4.7K	5%	1/4W
R405	1-249-425-11	CARBON	4.7K	5%	1/4W
R406	1-249-417-11	CARBON	1K	5%	1/4W
R408	1-249-425-11	CARBON	4.7K	5%	1/4W
R409	1-249-425-11	CARBON	4.7K	5%	1/4W
R410	1-247-848-11	CARBON	5.1K	5%	1/4W
R411	1-247-848-11	CARBON	5.1K	5%	1/4W
R412	1-247-862-11	CARBON	20K	5%	1/4W
R413	1-247-862-11	CARBON	20K	5%	1/4W
R414	1-247-862-11	CARBON	20K	5%	1/4W
R415	1-247-862-11	CARBON	20K	5%	1/4W
R416	1-247-862-11	CARBON	20K	5%	1/4W
R417	1-249-429-11	CARBON	10K	5%	1/4W
R418	1-249-427-11	CARBON	6.8K	5%	1/4W
R419	1-249-425-11	CARBON	4.7K	5%	1/4W
R420	1-249-405-11	CARBON	100	5%	1/4W
R421	1-249-429-11	CARBON	10K	5%	1/4W
R422	1-249-427-11	CARBON	6.8K	5%	1/4W
R423	1-249-425-11	CARBON	4.7K	5%	1/4W
R424	1-247-903-00	CARBON	1M	5%	1/4W
R427	1-249-437-11	CARBON	47K	5%	1/4W
R428	1-249-441-11	CARBON	100K	5%	1/4W
R429	1-249-429-11	CARBON	10K	5%	1/4W
R430	1-249-441-11	CARBON	100K	5%	1/4W
R431	1-249-441-11	CARBON	100K	5%	1/4W
R501	1-247-834-11	CARBON	1.3K	5%	1/4W
R502	1-247-834-11	CARBON	1.3K	5%	1/4W
R503	1-249-429-11	CARBON	10K	5%	1/4W
R504	1-249-425-11	CARBON	4.7K	5%	1/4W
R505	1-249-417-11	CARBON	1K	5%	1/4W
R506	1-249-435-11	CARBON	33K	5%	1/4W
R507	1-249-421-11	CARBON	2.2K	5%	1/4W
R508	1-249-427-11	CARBON	6.8K	5%	1/4W
R509	1-249-425-11	CARBON	4.7K	5%	1/4W
R510	1-249-423-11	CARBON	3.3K	5%	1/4W
R511	1-249-421-11	CARBON	2.2K	5%	1/4W
R512	1-249-435-11	CARBON	33K	5%	1/4W
R513	1-249-433-11	CARBON	22K	5%	1/4W
R514	1-247-860-11	CARBON	16K	5%	1/4W
R515	1-247-856-00	CARBON	11K	5%	1/4W
R516	1-249-435-11	CARBON	33K	5%	1/4W
R517	1-249-433-11	CARBON	22K	5%	1/4W
R518	1-247-860-11	CARBON	16K	5%	1/4W
R519	1-247-856-00	CARBON	11K	5%	1/4W

SEE ADDITIONAL INFORMATION

CHANNEL DIVIDER | FUSE | LED | OUTPUT H/M | OUTPUT(L) | RCA

Ref. No.	Part No.	Description			Remark
R520	1-247-903-00	CARBON	1M	5%	1/4W
R521	1-249-429-11	CARBON	10K	5%	1/4W
R522	1-249-429-11	CARBON	10K	5%	1/4W
R523	1-249-429-11	CARBON	10K	5%	1/4W
R601	1-247-834-11	CARBON	1.3K	5%	1/4W
R602	1-247-834-11	CARBON	1.3K	5%	1/4W
R603	1-249-429-11	CARBON	10K	5%	1/4W
R604	1-249-425-11	CARBON	4.7K	5%	1/4W
R605	1-249-417-11	CARBON	1K	5%	1/4W
R606	1-249-435-11	CARBON	33K	5%	1/4W
R607	1-249-421-11	CARBON	2.2K	5%	1/4W
R608	1-249-427-11	CARBON	6.8K	5%	1/4W
R609	1-249-425-11	CARBON	4.7K	5%	1/4W
R610	1-249-423-11	CARBON	3.3K	5%	1/4W
R611	1-249-421-11	CARBON	2.2K	5%	1/4W
R612	1-249-435-11	CARBON	33K	5%	1/4W
R613	1-249-433-11	CARBON	22K	5%	1/4W
R614	1-247-860-11	CARBON	16K	5%	1/4W
R615	1-247-856-00	CARBON	11K	5%	1/4W
R616	1-249-435-11	CARBON	33K	5%	1/4W
R617	1-249-433-11	CARBON	22K	5%	1/4W
R618	1-247-860-11	CARBON	16K	5%	1/4W
R619	1-247-856-00	CARBON	11K	5%	1/4W
R620	1-247-903-00	CARBON	1M	5%	1/4W
R621	1-249-429-11	CARBON	10K	5%	1/4W
R622	1-249-429-11	CARBON	10K	5%	1/4W
R623	1-249-429-11	CARBON	10K	5%	1/4W

< SWITCH >

SW701	1-571-941-11	SWITCH, SLIDE (PHASE)
SW702	1-571-941-11	SWITCH, SLIDE (FRONT/REAR)
SW703	1-571-940-11	SWITCH, SLIDE (Hi-PASS)
SW704	1-571-940-11	SWITCH, SLIDE (Hi-PASS)
SW705	1-571-940-11	SWITCH, SLIDE (LOW-PASS)
SW706	1-571-940-11	SWITCH, SLIDE (LOW-PASS)
SW707	1-571-941-11	SWITCH, SLIDE (PHASE)

< VARIABLE RESISTOR >

VR701	1-238-584-11	RES, VAR, CARBON 10K/10K (LEVEL)
VR702	1-238-584-11	RES, VAR, CARBON 10K/10K (LEVEL)
VR703	1-238-584-11	RES, VAR, CARBON 10K/10K (LEVEL)
VR704	1-238-584-11	RES, VAR, CARBON 10K/10K (LOW BOOST)

****

* 1-641-619-11 FUSE BOARD
****

1-533-226-11 HOLDER, FUSE (BRAID)

Ref. No.	Part No.	Description	Remark
	* 1-641-618-11	LED BOARD	
		**********	
		< DIODE >	
D717	8-719-023-62	DIODE LN-233RP (PROTECTOR)	
D718	8-719-023-63	DIODE LN-333GP (POWER)	

****

* 1-641-615-11 OUTPUT H/M BOARD
****

< CONNECTOR >

CN708	1-537-252-21	TERMINAL BOARD (4P) (SPEAKER OUT)
CN709	1-537-252-21	TERMINAL BOARD (4P) (SPEAKER OUT)

****

* 1-641-616-11 OUTPUT (L) BOARD
****

< CONNECTOR >

CN716	1-537-252-21	TERMINAL BOARD (4P) (SUB WOOFER)

****

* 1-641-617-11 RCA BOARD
****

< CAPACITOR >

C321	1-102-106-00	CERAMIC	100PF	10%	50V
C421	1-102-106-00	CERAMIC	100PF	10%	50V

< CONNECTOR >

CN717	1-573-173-21	JACK, PIN 4P
CN718	1-691-251-11	JACK, PIN 2P

< RESISTOR >

R332	1-249-417-11	CARBON	1K	5%	1/4W
R432	1-249-417-11	CARBON	1K	5%	1/4W

****

MISCELLANEOUS
****

4	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE)
6	1-537-348-21	TERMINAL BOARD (3P)

****

SEE ADDITIONAL INFORMATION

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	A-3234-979-A	PLATE ASSY, TRANSPARENT	
	3-367-410-11	SCREW (DIA. 5X15), TAPPING	
*	3-373-388-01	INDIVIDUAL CARTON	
*	3-373-389-01	CUSHION (UPPER)	
*	3-373-390-01	CUSHION (LOWER)	
	3-754-036-11	MANUAL, INSTRUCTION (AEP, UK, E) (ENGLISH, GERMAN, SPANISH, CHINESE)	
	3-754-036-21	MANUAL, INSTRUCTION (US, Canadian) (ENGLISH, FRENCH)	
	3-754-036-41	MANUAL, INSTRUCTION (AEP) (FRENCH, DUTCH, SWEDISH, ITALIAN, PORTUGUESE)	

****

HARDWARE LIST

****

#1	7-685-645-79	+BV 3X6
#2	7-685-648-79	+BV 3X12
#3	7-685-245-19	+K 3X6
#4	7-685-146-19	+PTT 3X8
#5	7-621-759-65	+PSW 2.6X8
#6	7-682-563-09	+B 4X12
#7	7-682-547-09	+B 3X6
#8	7-685-870-09	+BVTT 3X5, S TIGHT

****

English
91K0278-1
Printed in Japan
©1991.11

Sony Corporation
Mobile Electronics Group
Published by Customer Relations and Service Group

9-956-666-11

XM-C6000

SONY
SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model

SUPPLEMENT-1

File this supplement with the service manual.

Subject : Silver type have been added for XM-C6000

As only the difference from XM-C6000 is described in this manual, please refer XM-C6000 service manual for the other sections.

DIFFERENCE PARTS

XM-C6000 service manual			Black type Part No.	Silver type Part No.
Page	Ref. No.	Description		
21	1	PLATE, BOTTOM	*3-372-255-01	3-372-255-11
	5	PANEL (FRONT)	*3-372-275-01 (AEP, G, E) *3-372-275-11 (US, Canadian)	*3-372-275-21 (AEP, G, E) *3-372-275-31 (US, Canadian)
22	53	HEAT SINK (R)	*3-372-273-01	*3-372-273-11
	57	PANEL (REAR)	*3-372-276-01	*3-372-276-11
	59	HEAT SINK (L)	*3-372-272-01	*3-372-272-11
23	104	CHASSIS (CENTER)	*3-372-274-01	*3-372-274-11
	105	PANEL (CENTER)	*3-372-277-01	*3-372-277-11
	106	KNOB (VR)	3-350-753-01	3-350-735-21
33		SCREW (DIA,5X15),TAPPING	3-367-410-11	3-367-410-01
		INDIVIDUAL CARTON	3-373-388-01	3-388-670-01
		EMBLEM, SONY	————————	4-920-581-11

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- G : German

9-956-666-82

Sony Corporation
Mobile Electronics Group

English
93D0978-1
Printed in Japan
© 1993.4
Published by Audio Sector Quality Assurance Dept.

XM-C6000

SONY

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model

CORRECTION-1

Correct your service manual as shown below.

☛ : indicates corrected portion.

Page	INCORRECT			CORRECT		
	No.	Part No.	Description	No.	Part No.	Description
32	SW701	1-571-941-11	SWITCH, SLIDE (PHASE)	SW701	1-571-942-11 ☛	SWITCH, SLIDE (PHASE)
	SW702	1-571-941-11	SWITCH, SLIDE (FRONT/REAR)	SW702	1-571-942-11 ☛	SWITCH, SLIDE (FRONT/REAR)
	SW707	1-571-941-11	SWITCH, SLIDE (PHASE)	SW707	1-571-942-11 ☛	SWITCH, SLIDE (PHASE)

(ECN-CS701691)

9-956-666-91

Sony Corporation
Personal & Mobile Communication Company

97E0477-1
Printed in Japan ©1997.5
Published by Quality Assurance Dept.